IN THE UNITED STATES PATENT AND TRADEMARK OFFICE.

In re Application of: Raphael GORODETSKY et al. Confirmation No.: 3576

Application No.: 09/487,790 Patent No.: 7,122,620 B1

Filing Date: January 20, 2000 Patent Date: October 17, 2006

For: HAPTOTACTIC PEPTIDES Attorney Docket No.: 85189-5700

REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 C.F.R. § 1.322

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Patentees hereby respectfully request the issuance of a Certificate of Correction in connection with the above-identified patent. The correction is listed on the attached Form PTO-1050. The correction requested is as follows:

Title Page:

Item (73) Assignee, before "Medical Research Services and Development Ltd." insert -- Hadasit --. The name of the assignee will then correctly appear as "Hadasit Medical Research Services and Development Ltd." This change is requested to correct an inadvertent clerical error in completing the Issue Fee Transmittal Form PTOL-85.

A fee of \$100 is believed to be due for this request. Please charge the required fees to Winston & Strawn LLP Deposit Account No. 50-1814. Please issue a Certificate of Correction in due course.

Respectfully submitted.

4-4-07

Date

Allan A. Fanucci, Reg. No. 30,256

WINSTON & STRAWN LLP Customer No. 28765

212-294-3311

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO.: 7,122,620 B1 Page 1 of 1

APPLICATION NO.: 09/487,790
DATED: Oct. 17, 2006
INVENTOR(S): Gorodetsky et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page:

Item (73) Assignce, before "Medical Research Services and Development Ltd." insert -- Hadasit --.

WINSTON & STRAWN LLP Patent Department 1700 K Street, N.W. Washington, D.C. 20006-3817



(12) United States Patent Gorodetsky et al.

(10) Patent No.: (45) Date of Patent:

US 7.122.620 B1 Oct. 17, 2006

(54) HAPTOTACTIC PEPTIDES

(75) Inventors: Raphael Gorodetsky, Jerusalem (IL); Gerard Marx, N.Y., NY (US)

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(73) Assignee: Medical Research Services and Development Ltd., Jerusalem (II.)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: 09/487,790

(22) Filed: Jan. 20, 2000

Related U.S. Application Data

(63) Continuation-in-part of application No. 09/084,371, filed on May 27, 1998, now abandoned.

(51) Int. Cl. A61K 38/00 G01N 33/53

(2006.01) (2006.01)

(52) U.S. Cl. 530/300; 514/2; 424/278.1; (58) Field of Classification Search 530/300, 530/350; 514/2; 424/278.1; 435/7.1

See application file for complete search history.

(56)References Cited

U.S. PATENT DOCUMENTS

4,455,290		6/1984	Olexa et al 424/1.1
5,292,362	A	3/1994	Bass et al 106/124
5,428,014		6/1995	Labroo et al 514/12
5,473,051			Altieri et al 530/382
5,599,790		2/1997	Altieri et al 514/8
5,639,940			Garner et al 800/2
5,939,385			Labroo et al 514/12
6,083,902		7/2000	Cederhom-Williams 514/2
2004/0126758	Al	7/2004	Marx et al 435/6

FOREIGN PATENT DOCUMENTS

wo WO 05/23868 * 9/1995 wo WO 9961041 A1 * 12/1999

OTHER PUBLICATIONS

Watt, K. W. K. et al. (1979) Amino acid sequence of the beta chain of human fibrinogen. Biochemistry, vol. 18, pp. 68-76.*

Koopman, J. et al. (1992) Abnormal fibrinogens IJmuiden (B beta Arg14—Cys) and Nijmegen (B beta Arg44—Cys) form disulfidelinked fibrinogen-albumin complexes. Proc. Natl. Acad. Sci. U S A. vol. 89, pp. 3478-3482.*

Attachment 1: sequence alignment, pp. 1-3.*

Pandya et al. (1985) Conservation of human fibringen conforma-Chem. vol. 260, pp. 2994-3000.*

Blumenstein et al. (1992) A beta-turn is present in the 392-411 segment of the human fibrinogen gamma-chain. Effects of structural changes in this segment on affinity to antibody 4A5. Biochemistry. vol 31, pp. 10692-10698.*

Henschen et al. (1983) Covalent structure of fibrinogen, Ann. N. Y. Acad. Sci. vol. 408, pp. 28-43.*

Duga et al. (2000) Missense mutations in the human beta fibrinogen gene cause congenital afibrinogenemia by impairing fibrinogen secretion. Blood. vol. 95, pp. 1336-1341.*

Yee et al. (1997) Crystal structure of a 30 kDa C-terminal fragment from the gamma chain of human fibrinogen. Structure, vol. 5, pp. 125-138.

Henschen et al. (1980) human fibrinogen sequence, sulfur bridge, glycosylation and some structural variants, in "Protides of the biological Fluids" Proc. 28th Colloq., Peeters, H., ed., pp. 51-56.* Mayo et al. (1990) IH NMR sequential assignments and secondary structure analysis of human fibrinogen gamma-chain C-terminal residues 385-411. Biochemistry, vol. 29, pp. 3277-3286.*

David R. Phillips et al., XP-002218130"The Platelet Membrane Glycoprotein lib-IIIa Complex", The Journal of The American Society of Hematology, Blood, vol. 71, No. 4, pp. 831-843 (1988). C.J. Nieman et al., XP-001118065, "A Colourimetric Enzyme-Linked Sandwich Assay For The Detection Of Human Platelets Bound To A Fibrinogen-Coated Surface", Thrombosis Research, vol. 62; pp. 189-197 (1991).

Yiping Fu et al., XP-002218053 "Fibrinogen α Genes: Conservation of Bipartite Transcripts and Carboxy-Terminal-Extended or Subunits in Vertebrates", GENOMICS, vol. 30, pp. 71-76 (1995). W. D. Thompson et al., XP-000983610, "Angiogenic Activity Of Fibrin Degradation Products Is Located In Fibrin Fragment E", Department of Pathology and Clinical Biochemistry, Journal Of P. Pathology. vol. 168, pp. 47-53 (1992).

Dominic W. Chung et al., "Characterization of Complementary Deoxyribonucleic Acid and Genomic Deoxyribonucleic Acid for the β Chain of Human Fibrinogen", American Chemical Society, Biochemistry, vol. 22, pp. 3244-3250 (1983).

Michael Blumenstein et al., "A β-Turn Is Present in the 392-411 Segment of the Human Fibringen y-Chain, Effects of Structural Changes in This Segment on Affinity to Antibody 4A5", American Chemical Society, Biochemistry, vol. 31, pp. 10692-10698 (1992). Yiping Fu et al., "Carboxy-Terminal-Extended Variant of the Human Fibrinogen & Subunit: A Novel Exon Conferring Marked Homology to β and γ Subunits", American Chemical Society. Biochemistry, vol. 31, pp. 11968-11972 (1992).

Cezary Watala et al., "Microenvironmental changes in platelet membranes induced by the interaction of fibrinogen-derived peptide ligands with platelet integrins", Eur. J. Biochem., vol. 235, pp. 281-288 (1996).

* cited by examiner

Primary Examiner-Jon Weber Assistant Examiner-Samuel Wei Liu

(74) Attorney, Agent, or Firm-Winston & Strawn LLP

(57)ABSTRACT

This invention is related to a novel peptide consisting of the amino acid sequence of SEQ ID NO:1, and a pharmaceutical composition comprising the peptide thereof.

4 Claims, 7 Drawing Sheets